F&P 850 System

Infant Respiratory Humidification
MR850 Operations Guide

POWER BUTTON
To turn ON, press the power button briefly. Warm-up time is less than 30 minutes. To turn OFF, press and hold the power button for one second.

MODE BUTTON
When held down for one second, the mode button toggles the humidifier between noninvasive and invasive mode. The mode indicator LED shows the user which mode is selected.

MUTE BUTTON
The mute button silences the humidifier's audible alarm. The muted time depends on the alarm condition. In general, alarms will be muted for 2 minutes.

INVASIVE MODE
For use with patients whose upper airways have been bypassed by either a tracheostomy or endotracheal tube or when using Optiflow. In this mode of operation the humidifier aims to deliver physiological humidity (37°C, 100% RH). This mode is the default when the humidifier is turned on.

Invasive mode is recommended for all infant respiratory therapies.

NONINVASIVE MODE
Suitable only for patients whose natural humidification system (i.e. upper airways) has not been bypassed, but are receiving gas via a facemask or similar.

Aims to deliver humidified gases (31°C, 32 mg/L).

Invasive mode is recommended for all infant respiratory therapies.

SET-UP INDICATORS

Heater wire connector
- Is the heater wire adapter connected to the base?
- Is the heater wire adapter connected to the circuit?
- Try a new heater wire adaptor.

Temperature/Flow probe connector
- Is the temperature probe connected to the base?
- Try a new temperature probe.

Chamber probe and airway probe
- Is the chamber probe correctly inserted into the circuit?
- Is the airway probe correctly inserted into the circuit?
- Is there condensate or debris on the probe?

Chamber or airway probe alarm with probe connector alarm
- Indicates an apparent fault with the chamber or airway probe. The humidifier will stay in stand-by until the chamber or airway temperature drops below 50 °C.
- Is there condensate or debris on the probe?

Water out indicator
- Is there water in the chamber?
- Is there water in the bag?
- Is the feed set kinked?
- Has the flow of water to the chamber stopped due to system back pressure?

OPERATIONAL ALARMS

Temperature indicator

Together with displayed temperature below 35.4 °C.
- Is there a fan? If so, redirect away from breathing circuit
- Is there a draft? If so, redirect away from breathing circuit
  Together with a displayed temperature exceeding 41 °C or if the airway temperature exceeds 43 °C.
- Monitor the displayed temperature closely
  Heating will be discontinued to the humidification chamber and breathing circuit until the displayed temperature decreases to within normal limits.
  If the alarm continues, replace the relevant component and contact your local Fisher & Paykel Healthcare representative.

See manual indicator
- This indicates a hardware fault. Note error code on display and refer to manual.
- Turn the humidifier off, remove it and all accessories from use.

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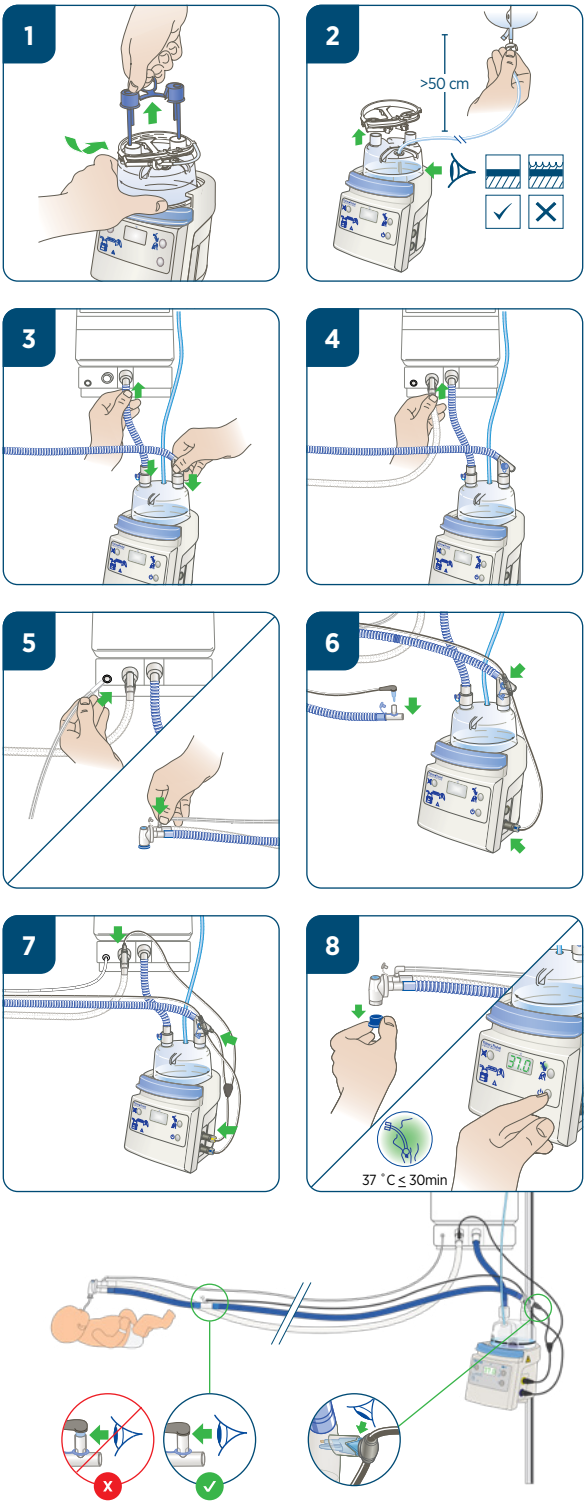
Invasive Ventilation for Infant Setup

CIRCUIT CODES

RT265 >4 L/min
RT266 <4 L/min
RT267 SLE2000, 2000HFO
RT268 SLE4000 & SLE5000
RT269 SLE6000

Not all models are available in all markets.



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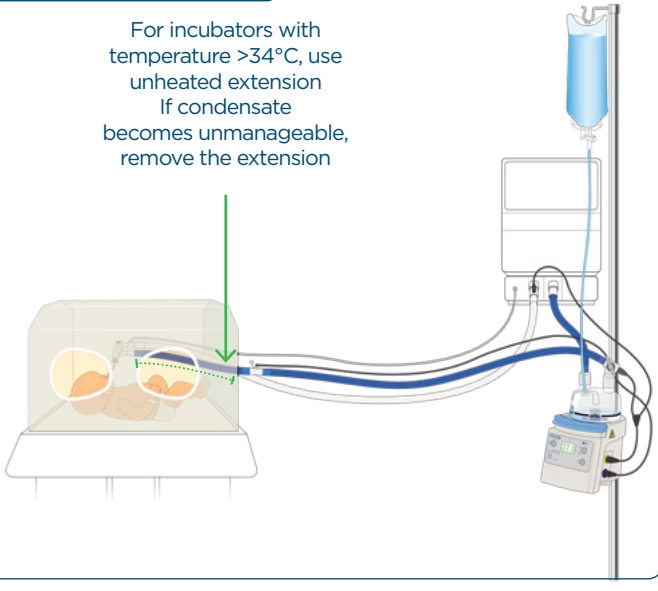
Setup Guide for Incubators and Infant Warmers

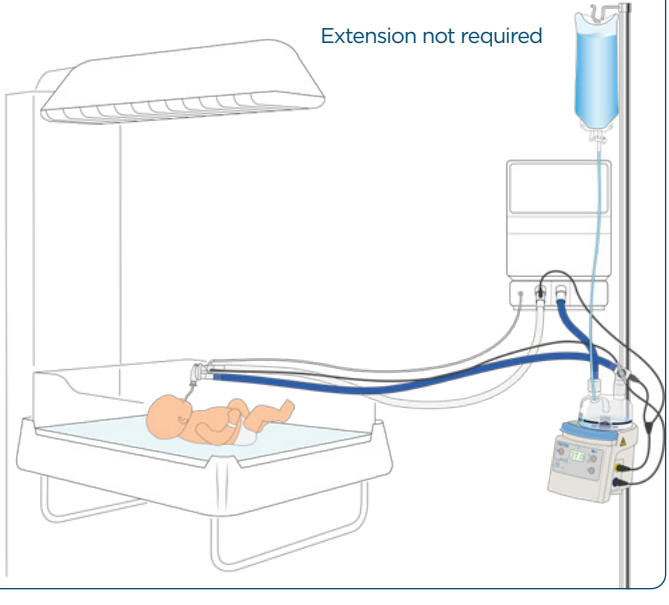
Incubator

For incubators with temperature >34°C, use unheated extension
If condensate becomes unmanageable, remove the extension



Infant Warmer

Extension not required



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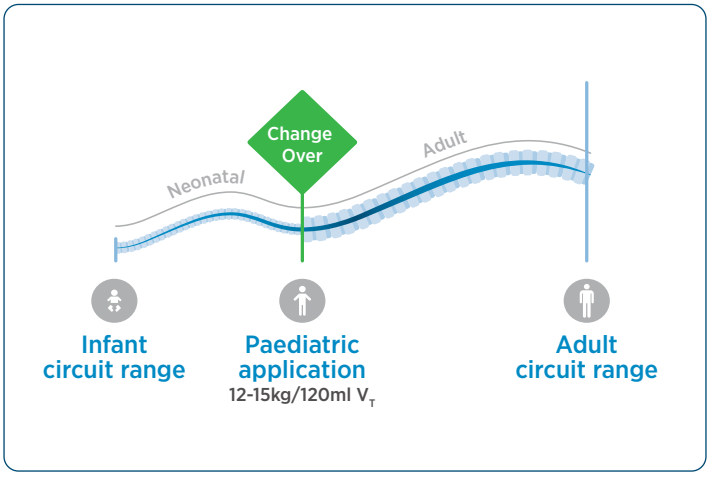
Paediatric Circuit Application

The recommended point to change from an infant circuit to an adult circuit is 120ml V_T between about 12-15kg depending on your ventilation strategy.



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